

Privacy Subgroup Meeting February 8, 2013

Rebecca Herold – Privacy Professor
Ken Wacks – GWAC
Megan Hertzler – XCEL Energy
Andrew Clearwater – Future of Privacy Forum
Jules Polonetsky – Future of Privacy Forum
Brandon Robinson – Southern Company
Steven Dougherty – IBM
Tim Schoecler – Univ Colorado
Nam Asan – DMV
Dan Friedman - IEEE
Aryah Fishman – EEI
Chris Villareal – CPUC
Irene Gasko – FPL
Tanya Brewer - NIST

Very Quick Update on draft Volume 2 – Still in editing with Tanya

New Topics

Rebecca: Looking at the list of topics sent out, does anyone have any strong feelings about any of the topics or a topic not on the list?

Ken Wacks: GWAC is looking into transactive energy, where people offer bids into a market for a wide range of devices. This could be a PEV that needs a charge, and there is a charge available at a remote location for a particular bid. The PEV owner decides if they want to accept the bid and charge their PEV at that facility. No one has yet discussed potential privacy issues with this design, but it would seem there might be some if it is truly an open market.

Tim S: This probably relates the closest to your #7 of the agenda (Connecting smart appliances and HANs directly to the Smart Grid.). This is a research initiative at this point; no one is actually using it yet. It has yet to be standardized. It has to do with premises communication with either the grid or brokers, outside networks.

Stephen: They have a proof of concept pilot going on in Europe for transactive energy for charging PEVs. A lot of this is going to be cloud based, so where the data is registered it needs to stay stored locally without crossing legal borders. This would cover energy use, location, everything. Having that transaction data show things that could show your travel habits is a big concern. They want to make certain this data is well protected. He will see if he can find some data that he can share with the group.

Ken: Any requirement to give users options to destroy the data?

Steve: Not yet. Currently in proof of concept. Early stages in Ireland in collecting data and encoding. Possibly go live in 6 months. Must be associated with the RFID tag dongle.

Topic changed to “big data.” Ken asked, is this just more of the same or has something actually changed? This seems to be a common question. Another question is will utilities be tempted to bundle and sell these large quantities of data. Chris V. pointed out that there are several valid

reasons for why utilities need to hold on to data for several years, and sometimes there is a need for the customer's identifying information. This might be a potential topic as we go forward.

Cross-border data sharing. Are we seeing any issues with data being shared across our borders? Is anyone looking into this. Stephen said that as far as Canada goes, all data has to remain in Canada. He has seen once instance of when transmission/distribution data needed to be sent to a manufacturer for a specific reason, and it had to be encrypted and then destroyed. It did not have any customer information in it.

There was a brief discussion about what types of data has been known to both be restricted and not restricted with regards to crossing the Canadian border.

Has anyone heard anything about privacy being talked about in the Green Button work? Megan pointed out that there are 2 ways Green Button is supposed to work—Download My Data and Connect My Data. The mechanics of the Green Button is standardized (by NAESB REQ.21 and REQ.22). For Download My Data, the customer can simply download their data. Third Parties wanting to gain access to CEUD for a customer has to do some due diligence to prove to a utility that they are authorized to receive the data and that they will protect it sufficiently.

A list of Green Button apps can be found at: <http://en.openei.org/apps/>

Rebecca would like to raise another topic, #15, intelligent systems that react to Smart Grid systems. Does anyone have any information about these intelligent systems and how their development is going? No one on the phone was certain exactly what was meant by "intelligent systems." Rebecca referenced this article on the call: <http://www.sciencedaily.com/releases/2012/08/120813115448.htm>

Action items: We would like for group members to send topics that you think it's important for our group to cover in 2013 to Rebecca and Tanya. What specifically do you think should been done about each topic (write a report, etc.), and why do you think it should be done this year. Also, if you know of others doing privacy research or work, please let Rebecca know so we can plan accordingly without duplicating effort. **NOTE: Rebecca will send a separate form to the group members to fill out and return to Rebecca and Tanya before our next meeting to collect this information.** We will compile all of this and send it to the list before the next meeting to discuss at the February 22 meeting.

Next Call: Friday, February 22, 2013, 11am Eastern